WHAT IS CLAIMED IS:

- 1. A method of recovering cellular functions in cells following injury, comprising the step of:
- 5 contacting said cells with ascorbic acid or a salt of ascorbic acid.
 - 2. The method of claim 1, wherein said cellular function is selected from the group consisting of proliferation, mitochondrial function, Na⁺-K⁺-ATPase protein expression, Na⁺-K⁺-ATPase protein activity, and active Na⁺ transport.
 - 3. The method of claim 1, wherein said ascorbic acid is L-ascorbic acid phosphate.
- 4. The method of claim 1, wherein the concentration of said ascorbic acid is from about 0.05 mM to about 0.5 mM.

5. An ophthalmic composition comprising a therapeutically effective amount of ascorbic acid or a salt of ascorbic acid and an ophthalmically acceptable carrier.

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6. The composition of claim 5, wherein the composition is in a form selected from the group consisting of aqueous eye drops, liposomes, microspheres, proteins, collagen and soft contact lenses.

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7. A pharmaceutical composition in the form of an ointment, lotion, cream or spray, comprising a therapeutically effective amount of ascorbic acid or a salt of ascorbic acid and a topically acceptable carrier.

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8. A pharmaceutical composition, comprising a therapeutically effective amount of ascorbic acid or a salt of ascorbic acid on a solid support, wherein said solid support comprises a dressing.

9. The pharmaceutical composition of claim 8, wherein said solid support comprises an adsorbent material.

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10. The pharmaceutical composition of claim 9, wherein said adsorbent material is attached to an adhesive strip.

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11. A method of recovering cellular functions following injury in an individual in need of such treatment, comprising the step of:

administering a therapeutically effective amount of ascorbic acid or a salt of ascorbic acid to said individual.

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12. The method of claim 11, wherein said injury is selected from the group consisting of halogenated hydrocarbons-induced nephrotoxicity, ischemia- and drug-induced acute renal failure, and glomerulonephritis, and skin abrasions, cuts, and burns.

The method of claim 12, wherein said halogenated 13. hydrocarbons is dichlorovinyl-L-cysteine.

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The method of claim 12, wherein said cellular 14. function is selected from the group consisting of proliferation, mitochondrial function, Na+-K+-ATPase protein expression, Na+-K+-ATPase protein activity, and active Na⁺ transport.

A method of recovering cellular functions following 15. injury to the eye of an individual in need of such treatment, comprising the step of:

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administering the ophthalmic composition of claim 5 to said individual.

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The method of claim 15, wherein said injury is 16. selected from the group consisting of acute injury to the eye, eye collagen production with the over of associated diseases

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(conjunctivitis, diabetes mellitus), eye disease associated with the under production of collagen (alkali burns, rheumatoid arthritis).

- 17. A product for delivery of a therapeutically effective amount of ascorbic acid comprising:
 - (A) a strip comprising:
 - (i) a flexible substrate sheet; and
- (ii) a therapeutically effective amount of ascorbic acid deposited onto said substrate sheet.